

| Courage to Soar | | | |
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| 2002 Science and Technology | | | |
| Academic Standards | | | |
| Pennsylvania Science and Technology | | | |
| Grade 4 | | | |
| Activity/Lesson | State | Standards | |
| Kite Flight | PA | SCT.4.3.2.4.C.1 | Generate questions about objects, organisms and/or events that can be answered through scientific investigations. |
| Soaring Higher | PA | SCT.4.3.6.4.C.10 | Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. |
| Soaring Higher | PA | SCT.4.3.6.4.C.12 | Explain how improved transportation systems have changed society. |
| Aviation Pioneers | PA | SCT.4.3.2.4.C.3 | Recognize and use the elements of scientific inquiry to solve problems. Conduct an experiment. |
| Aviation Pioneers | PA | SCT.4.3.6.4.C.10 | Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. |
| Flying a Styrofoam Plane | PA | SCT.4.3.2.4.C.3 | Recognize and use the elements of scientific inquiry to solve problems. Conduct an experiment. |
| Flying a Styrofoam Plane | PA | SCT.4.3.7.4.B.1 | Develop simple skills to measure, record, cut and fasten. |
| The Matter of Air | PA | SCT.4.3.2.4.C.3 | Recognize and use the elements of scientific inquiry to solve problems. Conduct an experiment. |
| The Matter of Air | PA | SCT.4.3.7.4.B.1 | Develop simple skills to measure, record, cut and fasten. |
| The Four Forces of Flight | PA | SCT.4.3.2.4.C.3 | Recognize and use the elements of scientific inquiry to solve problems. Conduct an experiment. |
| The Four Forces of Flight | PA | SCT.4.3.7.4.B.1 | Develop simple skills to measure, record, cut and fasten. |